

Type	L #	Hits	Search Text	DBs	Time Stamp
1 BRS	L1	911	(monitor\$5 or detect\$5 or inspect\$5 or measur\$5 or calculat\$5 or determin\$5) near7 (dust near4 surface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/16 08:46
2 BRS	L8	597	1 and @ad<=19970418	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/16 08:49
3 BRS	L15	922004	(light or laser or optic\$3) near3 (beam or source or light)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/16 08:53
4 BRS	L22	232	8 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/16 10:04
5 BRS	L29	4	22 and appliance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/16 10:04

	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0

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TITLE: DUST DETECTOR ON OPTICAL APPARATUS

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ABSTRACT:

PROBLEM TO BE SOLVED: To detect dust deposited to a surface of an optical part such as a cover glass, a lens and a mirror in an optical apparatus of a scanning optical system or the like.

SOLUTION: Scattered light 2b caused by laser scanning light 2a transmitting through a cover glass 6 which is scattered by dust 10 deposited to a surface of the cover glass 6 is led to a sensor 14 by an optical rod 12 to be converted into an electric signal, and the electric signal is compared with a reference value by a detecting means 16 to determine whether dust exists or to evaluate a dust quantity, thereby detecting the dust 10 deposited to the surface of the cover glass 6.

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